

Page 3, line 5, after "a" insert --receiver--, and delete "an" and substitute therefor --a receiver--.

line 8, after "unit", insert ~~/~~terminal--.

Page 4, line 7, after “receiver” insert --circuit--.

line 8, change reference numerals "31, 32, 33" to --34, 35, 36--.

line 15, change “sensor” to --receiving--, and change reference numerals “11, 12” to --16, 17--.

IN THE CLAIMS:

Please amend the claims as follows:

Sub 3 (amended) An interrogation system [containing] comprising a transmitting device for the interrogation of a responder device, and receiving means, wherein the transmitting device is designed in such a way that modulated and/or coded electromagnetic radiation can be transmitted, [that the transmitting device is located inside or outside of the transmitting device] and wherein the responder device has sensor means for receiving this radiation and for converting it into electrical signals, an evaluation unit for processing the electrical signals, as well as transmitting means in order to return, in accordance with a decision made by the evaluation unit, a reply signal to the receiving means, [characterized in that] wherein the transmitting device contains a control circuit and an antenna which are designed in such a way that individual electromagnetic pulses, or short bursts of pulses, can be generated in the giga-frequency range, which are radiated by the antenna in a chronologically modulated and directional manner.

2. (amended) The interrogation system in accordance with claim 1, [characterized in that the] wherein a control circuit and[the] an antenna are placed into a transmitting device housing, which is designed for being mounted on a weapon.

3. (amended) The interrogation system in accordance with claim [1 or] 2, [characterized in that] wherein the antenna is integrated into a control circuit.

9. (amended) A system [with] comprising
 [-] an interrogation system containing a transmitting device for the interrogation of a responder device and receiving means, wherein the transmitting device is designed in such a way that modulated and/or coded electromagnetic radiation can be transmitted, and with
 [-] a responder device, which has sensor means for receiving this radiation and for converting it into electrical signals, an evaluation unit for processing the electrical signals,